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MACHINES TEST REPORT / QUALITY CONTROL CERTIFICATES

TUMBLE DRIER (WSTD)

Machine Model .	Capacity	Customer Name & P.O No.	Date of testing	Time
Tumbledrier	WSTD 100	M/S Suraksha Electricals	5th June 23	5.00 PM

Dimensional specifications:

Door opening dimensions	Diameter 625 mm
LengthXWidthXHeight(LXWXH) in mm	1260 mm x 1850 mm x 2100 mm
Direct steam inlet size	- Nil -
Water inlet size	- Nil -
Manual valves/ pneumatic valves	- Nil -
HEATER CAPACITY	- 36 kw -
Drain size	- Nil -

Mechanical Description	Make	Serial No.	Quantity	Others
Main motor	- 1HP -			
Gear box	- Nil -			
Pulley used	CAST IRON			
Gland packing	- Nil -			
Oil seal used	- Nil -			
Bearing used for Main shaft	NTN			
Belts used for Drive motor	NTN	FENNER		
Belt used for Main shaft	-	FENNER		

With out inverter

CHECK POINTS	Operating Switch in panel	Capacity	Make	Serial No.
1.Heater ON / OFF	✓			
2. Water inching	- Nil -			
3. Limit switch	✓			
4. Lift to drain handle	- Nil -			

Inverter Reading

Description	Ideal range	With load	Without load	Error
Frequency in Hz	Nil			
Amps	- Nil -			
Kilowatt(KW)	- Nil -			
I/P Voltage in volts	- Nil -			
O/P Voltage in volts	- Nil -			

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4.	CHECK FOR THE ELECTRICAL PANEL FUNCTIONAL PARAMETERS					
	Description	Check	Description	Check	Description	Check
	Start	✓	Temp Sensor	✓	ON DELAY TIMER	✓
	Stop	✓	Rotating lamp	✓	TEMPERATURE CONTROLLER	✓
	Lock	✓	Hooter	✓	Door Limit switch	✓
	Inching UP	- Nil -	CONTACTORS	✓	Drain	- Nil -
	Inching DOWN	- Nil -	RELAY	✓	Steam line valves	- Nil -

5.	Main Motor assembly	✓
6.	Fitment of locking bolts/Nut/spring washers for motors	✓
7.	Pulley alignment	✓
8.	Belt Tension	✓
9.	Bearing /Grease Nipple	✓
10.	Gland packing	✗
11.	Fitment of Pillow block bearing	✗
12.	Fitment of Gear box assembly	✗
13.	Gear box oil	✗
14.	Any leakage at gland packing assembly area	✗
15.	Leakage at all the fasteners end	✗
16.	Alignment of side guards	✗
17.	Fitment of temperature probe	✓
18.	Oil seal used.	✗
19.	Fitment of Electrical heaters	✓
20.	Limit switch functioning in rotation 1. UP 2. DOWN	✗
21.	Front door locking arrangement.	✓
22.	Fitment of Electrical panel & loose connection, if any?	✓
23.	Check for the functioning of water flow meter at water inlet.	✗
24.	Pneumatic connections for, 1. Hot Water 2. Cold Water 3. Steam 4. Drain	✗

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25.	Check for the leakage in the following fitment area		

Description	OK	NOT OK
Front door fitment	✓	
Direct steam line	✗	
Water inlet line	✗	
Chemical box	✗	
Gland area	✗	
Front side for Drum fasteners	✗	
Rear side for Drum fasteners	✗	

26.	Check for the machine RPM:		

Description	Set RPM	Actual RPM
With load	38	38
Without load	38	38

27.	Check for the door finishing, it should be free from dent marks, burrs, welding spatters & drill finishes.	✓	
28.	Check for the basket punch finishing, it should be free from double punch, burrs and burning marks:	✓	
29.	Check for the paint quality, it should be free from paint peel off, scratches, air bubbles and mix-up colors.	✓	
30.	Check for the pallet assembly:	✓	
31.	Check for electrical and electronic components packing quality:	✓	
32.	Branded caution stickers and manuals to be put in the right place.	✓	
33.	Check for the fitment of front door glass, it should be vibration free.	✓	
34.	Check for the functions and working of temperature probe: 1. Manual functioning: 2. By electrical functioning:	✓	
35.	Check for the supply of foundation bolts along with the machine.	-Nil-	

Functional parameters

Sr. No.	CHECK POINTS	CHECK	READINGS
1	Machine Heating Option – STEAM / ELECTRICAL/THERMIC FLUID / GAS	✓	ELECTRICAL HEATERS
2	Machine RPM with load	✓	38 rpm
3	Weight of the dry cloth / wet cloth	✓	100 kgs

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MACHINE TESTING WITH LOAD

Type of cloth : Shirts & pants + Bedsheets

Weight of Cloth : 105 kg

Volume of water : - Nil -

Time: starting : 5:45 pm

Ending: 7:15 pm

Total time : 1:30 min

Set Temperature : 70°

Set Time : 40 min

Heating option : Electrical

Snag analysis report / Conclusion

Time	Temperature	Set Temperature	Remarks
5:45	25°	70°	minor Air leakage found on door Latch by Hinges Adjustment its been Rectified.
5:55	41°	70°	
6:15	65°	70°	
6:25	70°	70°	

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	INSPECTED BY	SECTION INCHARGE	PRODUCTION HEAD
Name	Satyanarayan		
Signature	Satya		

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MACHINES TEST REPORT / QUALITY CONTROL CERTIFICATES

VACCUM IRONNING BOARD / SYSTEM (WSVIT)

Machine Model .	Capacity	Customer Name & P.O No.	Date of testing	Time
VACCUM IRONING	Table + Boiler	M/S SURAKSHA Electricals	3rd, 4th June 23	9:30 AM

Dimensional specifications:

Table / working Area dimensions	295 cm x 80 cm / 2950mm x 800mm
LengthXWidthXHeight(LXWXH) in mm	10' x 4' x 3.5' feet / 3040mm x 1216 x 119 mm
Direct steam inlet size	- Nil -
HEATER CAPACITY	- 3 KW
Boiler Capacity	20 lit capacity.

With out inverter

CHECK POINTS	Operating Switch in panel	Capacity	Make	Serial No.
1.Heater ON / OFF	✓			
2. Water inching	X			
3. Limit switch	✓			
4. Lift to drain handle	X			

Inverter Reading				
Description	Ideal range	With load	Without load	Error
Frequency in Hz	Nil			
Amps	- Nil -			
Kilowatt(KW)	- Nil -			
I/P Voltage in volts	- Nil -			
O/P Voltage in volts	- Nil -			

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4.	CHECK FOR THE ELECTRICAL PANEL FUNCTIONAL PARAMETERS					
	Description	**Check**	**Description**	**Check**	**Description**	**Check**
	Start	✓	Temp Sensor	✓	ON DELAY TIMER	- Nil -
	Stop	✓	Rotating lamp	- Nil -	TEMPERATURE CONTROLLER	✓
	Lock	✓	Hooter	✓	Door Limit switch	Nil
	Inching UP	×	CONTACTORS	✓	Drain	Nil
	Inching DOWN	×	RELAY	✓	Steam line valves	Nil

5.	Main Motor assembly	✓
6.	Fitment of locking bolts/Nut/spring washers for motors	✓
7.	Pulley alignment	Nil
8.	Belt Tension	Nil
9.	Bearing /Grease Nipple	×
10.	Gland packing	×
11.	Fitment of Pillow block bearing	×
12.	Fitment of Gear box assembly	×
13.	Gear box oil	×
14.	Any leakage at gland packing assembly area	×
15.	Leakage at all the fasteners end	×
16.	Alignment of side guards	×
17.	Fitment of temperature probe	×
18.	Oil seal used.	×
19.	Fitment of Electrical heaters	×
20.	Limit switch functioning in rotation 1. UP 2. DOWN	×
21.	Front door locking arrangement.	×
22.	Fitment of Electrical panel & loose connection, if any?	×
23.	Check for the functioning of water flow meter at water inlet.	×
24.	Pneumatic connections for, 1. Hot Water 2. Cold Water 3. Steam 4. Drain	×

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25.	Check for the leakage in the following fitment area		

Description	OK	NOT OK
Front door fitment	—	
Direct steam line	—	
Water inlet line	—	
Chemical box	—	
Gland area	—	
Front side for Drum fasteners	—	
Rear side for Drum fasteners	—	
	—	

26.	Check for the machine RPM:		Nil

Description	Set RPM	Actual RPM
With load		
Without load		

27.	Check for the door finishing, it should be free from dent marks, burrs, welding spatters & drill finishes.	"	
28.	Check for the basket punch finishing, it should be free from double punch, burrs and burning marks:	"	
29.	Check for the paint quality, it should be free from paint peel off, scratches, air bubbles and mix-up colors.	"	
30.	Check for the pallet assembly:	"	
31.	Check for electrical and electronic components packing quality:	"	
32.	Branded caution stickers and manuals to be put in the right place.	"	
33.	Check for the fitment of front door glass, it should be vibration free.	"	
34.	Check for the functions and working of temperature probe: 1. Manual functioning: 2. By electrical functioning:	"	
35.	Check for the supply of foundation bolts along with the machine.		

Functional parameters

Sr. No.	CHECK POINTS	CHECK	READINGS
1	Machine Heating Option – STEAM / ELECTRICAL/THERMIC FLUID / GAS	✓	- Electrical -
2	Machine RPM with load	- Nil -	
3	Weight of the dry cloth / wet cloth.	- Nil -	

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MACHINE TESTING WITH LOAD

Type of cloth : _____ Weight of Cloth : _____

Volume of water : _____

Time: starting : 1:45 pm Ending: 2.30 pm Total time : 35 min.

Set Temperature : _____

Set Time : _____

Heating option : _____

Snag analysis report / Conclusion

Time	Temperature	Set Temperature	Remarks

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	INSPECTED BY	SECTION INCHARGE	PRODUCTION HEAD
Name			
Signature	Balat		

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MACHINE TEST REPORT / QUALITY CONTROL CERTIFICATES

HYDRO EXTRACTOR (WSHE / WSDD)

Machine Serial No.	Capacity	Customer Name & P.O No.	Date of testing	Time
Hydro Extractor.		M/s SURASKSHA Electricals	5th of June 23	3:00 pm

Technical specifications:

Mechanical Description	Make	Serial No.	Quantity	Others
Main motor	LHP		01	
Bearing	LHP		01	
Bearing	"		01	
Bearing	"		01	
Bearing	"		01	
Bearing Thrust	NTN		01	
Oil Seal	–			
Oil Seal	–			
Oil Seal	–			
Oil Seal	–			
Oil Seal	–			
V-Belt	–			
Clutch pulley & drum pulley.	–			

Electrical Description	Make	Serial No.	Quantity	Others
Door Limit Switch	✓		01	
STAR /DELTA Starter	–		–	

Check points

	PARAMETERS	CHECK	DETAILS
1.	Motor assembly	✓	
2.	Pulley assembly	✓	
3.	Pulley alignment	✓	
4.	Belt fitment	✓	
5.	Belt Tension	✓	
6.	Bearing /Grease Nipple	✓	
7.	Oil seal fitment	✓	
8.	Check for the leakage for the following portions, 1. Fasteners tightening portions. 2. Bottom base plate. 3. Drainage area.	✓	
9.	Check for the working of limit switch	✓	
10.	Check for the drum run-out , if any	✓	
11.	Check for the drum vibrations ,if any	✓	
12.	Check for the working of the braking system	✓	

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MACHINES TEST REPORT / QUALITY CONTROL CERTIFICATES

HORIZONTAL WASHING MACHINE(WSHW)

Machine Model .	Capacity	Customer Name & P.O No.	Date of testing	Time
Top loading washing m/c	WSHW	M/s Suraksha Electrical	4th, 5th June 23	

Dimensional specifications:

Door opening dimensions	Rectangular 500 mm x 480 mm
LengthXWidthXHeight(LXWXH) in mm	1980 mm x 1360 mm x 1300 mm
Direct steam inlet size	1/2"
Water inlet size	2"
Manual valves/ pneumatic valves	manual
HEATER CAPACITY	9 kw
Drain size	3" inch)

Mechanical Description	Make	Serial No.	Quantity	Others
Main motor	1HP		1	
Gear box	–		–	
Pulley used	Cast Iron		4	
Gland packing	✓		2	
Oil seal used	–		–	
Bearing used for Main shaft	✓		2	
Belts used for Drive motor	✓		3	PENNER
Belt used for Main shaft	✓		2	PENNER

With out inverter

CHECK POINTS	Operating Switch in panel	Capacity	Make	Serial No.
1.Heater ON / OFF	✓			
2. Water inching	✓			
3. Limit switch	✓			
4. Lift to drain handle	✓			
	✓			

Inverter Reading

Description	Ideal range	With load	Without load	Error
Frequency in Hz	Nil			
Amps	- Nil -			
Kilowatt(KW)	"			
I/P Voltage in volts	"			
O/P Voltage in volts	"			

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4.	CHECK FOR THE ELECTRICAL PANEL FUNCTIONAL PARAMETERS					
	Description	Check	Description	Check	Description	Check
	Start	✓	Temp Sensor	✓	ON DELAY TIMER	✓
	Stop	✓	Rotating lamp	-Nil-	TEMPERATURE CONTROLLER	✓
	Lock	✓	Hooter	✓	Door Limit switch	✓
	Inching UP	✓	CONTACTORS	✓	Drain	✓
	Inching DOWN	✓	RELAY	✓	Steam line valves	✓

5.	Main Motor assembly	✓
6.	Fitment of locking bolts/Nut/spring washers for motors	✓
7.	Pulley alignment	✓
8.	Belt Tension	✓
9.	Bearing /Grease Nipple	✓
10.	Gland packing	-Nil-
11.	Fitment of Pillow block bearing	-Nil-
12.	Fitment of Gear box assembly	-Nil-
13.	Gear box oil	-Nil-
14.	Any leakage at gland packing assembly area	-Nil-
15.	Leakage at all the fasteners end	-Nil-
16.	Alignment of side guards	✓
17.	Fitment of temperature probe	✓
18.	Oil seal used.	-Nil-
19.	Fitment of Electrical heaters	✓
20.	Limit switch functioning in rotation 1. UP 2. DOWN	✓
21.	Front door locking arrangement.	✓
22.	Fitment of Electrical panel & loose connection, if any?	-Nil-
23.	Check for the functioning of water flow meter at water inlet.	✓
24.	Pneumatic connections for, 1. Hot Water 2. Cold Water 3. Steam 4. Drain	✓

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25.	Check for the leakage in the following fitment area		

Description	OK	NOT OK
Front door fitment	✓	
Direct steam line	✓	
Water inlet line	✓	
Chemical box	✓	
Gland area	✓	
Front side for Drum fasteners	✓	
Rear side for Drum fasteners	✓	

26.	Check for the machine RPM:		

Description	Set RPM	Actual RPM
With load	38	38
Without load	38	38

27.	Check for the door finishing, it should be free from dent marks, burrs, welding spatters & drill finishes.	✓	
28.	Check for the basket punch finishing, it should be free from double punch, burrs and burning marks:	✓	
29.	Check for the paint quality, it should be free from paint peel off, scratches, air bubbles and mix-up colors.	✓	
30.	Check for the pallet assembly:	✓	
31.	Check for electrical and electronic components packing quality:	✓	
32.	Branded caution stickers and manuals to be put in the right place.	✓	
33.	Check for the fitment of front door glass, it should be vibration free.	✓	
34.	Check for the functions and working of temperature probe: 1. Manual functioning: 2. By electrical functioning:	✓	
35.	Check for the supply of foundation bolts along with the machine.	✓	Item NO Supplie.

Functional parameters

Sr. No.	CHECK POINTS	CHECK	READINGS
1	Machine Heating Option – STEAM / ELECTRICAL/THERMIC FLUID / GAS	✓	Electrical / Steam
2	Machine RPM with load	✓	38 rpm
3	Weight of the dry cloth / wet cloth.	✓	100 (+) kgs

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MACHINE TESTING WITH LOAD

Type of cloth : Bed Sheets & pillows

Weight of Cloth : 400 to 600 gms

Volume of water : 900 +

Time: starting : 4/6/2023 Ending: 3:00 PM Total time : 4

Set Temperature : ~~25~~ 60°

Set Time : 25 min

Heating option : Electrical.

Snag analysis report / Conclusion

Time	Temperature	Set Temperature	Remarks
25 min	35°	~~60°~~	Temperature & Others Electrical Devices On Running Successfully
30 min	40°	~~60°~~	

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	INSPECTED BY	SECTION INCHARGE	PRODUCTION HEAD
Name	BHARATH.		
Signature	Bath		

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